

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/02/2022 08:48 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124711	-1	1.90	124610	1.87
Blue	F	SSC	125000	124813	-1	3.53	125311	3.40
Blue	E	FITC	13602	13145	-4	2.66	368	13.90
Blue	D	PE	24891	24385	-3	2.09	578	10.70
Blue	B	PerCP-Cy5-5	33972	33245	-3	3.29	952	15.23
Blue	A	PE-Cy7	22865	22562	-2	5.20	470	31.74
Red	C	APC	47198	47020	-1	2.63	1624	11.47
Red	A	APC-Cy7	26454	25719	-3	3.00	725	12.36
Violet	B	V450	6737	6450	-5	4.42	451	11.69
Violet	A	V500	29317	28305	-4	4.09	968	9.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23877	3.20	567	32	N/A	N/A	Pass
Blue	F	SSC	55977	2.59	523	2	N/A	N/A	Pass
Blue	E	FITC	56	57.02	490	6	0.0428	222	Pass
Blue	D	PE	112	39.92	493	7	0.4011	326	Pass
Blue	B	PerCP-Cy5-5	149	42.77	587	8	0.0191	91	Pass
Blue	A	PE-Cy7	76	83.92	630	9	0.0206	2	Pass
Red	C	APC	339	25.85	575	3	0.0281	180	Pass
Red	A	APC-Cy7	136	32.80	552	1	0.0060	666	Pass
Violet	B	V450	77	48.77	452	2	0.0651	3051	Pass
Violet	A	V500	113	35.74	472	3	0.0215	1258	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.09	-31.77	1.02
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	16.19	13.90 - 20.86	N/A	N/A	30.07	30.36	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 12800

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments